

INTEP TIONAL SEARCH REPORT

In. tional Application No
PCT/US2004/013735

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L27/34 H04L27/38 H04L1/00 H04L25/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|------------------------|
| X ✓ | TARICCO G ET AL: "Some simple coded-modulation schemes for unequal error protection in satellite communications" SPREAD SPECTRUM TECHNIQUES AND APPLICATIONS PROCEEDINGS, 1996., IEEE 4TH INTERNATIONAL SYMPOSIUM ON MAINZ, GERMANY 22-25 SEPT. 1996, NEW YORK, NY, USA, IEEE, US, 22 September 1996 (1996-09-22), pages 1288-1294, XP010208825 ISBN: 0-7803-3567-8 | 1-3, 5, 14, 15, 18, 19 |
| Y | Sections II and III figure 1 ----- -/-- | 4, 6, 16, 17 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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Date of the actual completion of the international search

14 February 2005

Date of mailing of the international search report

17. 03. 05

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/013735

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| A ✓ | CALDERBANK A R: "Multilevel codes and multistage decoding" IEEE TRANSACTIONS ON COMMUNICATIONS, vol. 37, no. 3, March 1989 (1989-03), pages 222-229, XP002304039 Section III-A | 1-6, 14-19 |
| A ✓ | KANNAN RAMCHANDRAN: "MULTIRESOLUTION BROADCAST FOR DIGITAL HDTV USING JOINT SOURCE/ CHANNEL CODING" IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. 11, no. 1, 1993, pages 6-22, XP000377993 ISSN: 0733-8716 figure 6b | 1-6, 14-19 |
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| Y | page 123, right-hand column, paragraph 2 figure 3a | 12,13 |
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| A | <p>PAPKE L ET AL: "Different iterative decoding algorithms for combined concatenated coding and multiresolution modulation" COMMUNICATIONS, 1994. ICC '94, SUPERCOMM/ICC '94, CONFERENCE RECORD, 'SERVING HUMANITY THROUGH COMMUNICATIONS.' IEEE INTERNATIONAL CONFERENCE ON NEW ORLEANS, LA, USA 1-5 MAY 1994, NEW YORK, NY, USA, IEEE, 1 May 1994 (1994-05-01), pages 1249-1254, XP010126691 ISBN: 0-7803-1825-0 section 3.1</p> | 10-13 |
| A | <p>US 5 983 174 A (WONG ET AL) - 9 November 1999 (1999-11-09) column 1, line 20 - line 36 column 10, line 28 - column 11, line 25</p> | 7-9 |

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Information on patent family members

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